

PUBLIC NOTICE
FOR COMMENT ON A DRAFT STATE OPERATING PERMIT FOR THE MIRANT
POTOMAC RIVER LLC's POTOMAC RIVER GENERATING STATION
RECOMMENDED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

Public Notice Date: December 21, 2007

The State Air Pollution Control Board (SAPCB) requests public comment on a draft State Operating Permit for the Mirant Potomac River LLC's, Potomac River Generating Station.

Source Name:	Potomac River Generating Station
Registration No.:	70228
Mailing Address and Location:	1400 N. Royal Street Alexandria, Virginia

The draft State Operating permit imposes restrictions, limitations and requirements on the facility following the merger of the boiler exhaust from the five units into two merged stacks ('Merged Stack 1' and 'Merged Stack 4'). Included in the operating requirements are:

1. this permit places SO₂ emission rates on the facility that will eliminate the multiple operating scenario requirements. The permit limits the three hour emission rate to 0.39 lb/MMBtu and the twenty-four hour emission rate to 0.35 lb/MMBtu. Beginning January 1, 2009 the twenty-four hour emission rate will be limited to 0.30 lb/MMBtu.
2. the use of low NO_x burners on units C1, C2, C3, C4 and C5 and Separated Over Fire Air (SOFA) on units C3, C4 and C5 for the control of Oxides of Nitrogen;
3. the use of sodium sesquicarbonate or a Department of Environmental Quality approved alternative and low sulfur coal to control emission of sulfur dioxide, hydrogen chloride (HCl) and hydrogen fluoride (HF);
4. the use of fabric filter baghouses on the outlets of the two fly ash silos and the one bottom ash silo. Additionally, the fabric filter baghouses for the three ash silos are to be vented to the inlet side of unit C1's hot side electrostatic precipitator.
5. particulate emissions from units C1, C2, C3, C4 and C5 are each to be controlled by the use of both hot side and cold side electrostatic precipitators.

The facility will be required to install and operate Continuous Emission Monitors (CEM) for NO_x, SO₂, and Carbon Monoxide in accordance with the Environmental Protection Agency's requirements contained in 40 Code of Federal Regulations', Part 60, Appendix B. There is also a requirement that the facility submit a plan for the installation, certification, operation, and quality assurance of PM CEMS for 'Merged Stack 1' and 'Merged Stack 4'. In addition to the requirements for CEM's, the facility will be required to test the stack effluent for NO_x, SO₂, CO, PM, PM₁₀, PM_{2.5}, HCl and HF. The proposed permit places the following annual limits on the facility:

Pollutant	Tons/Year
Particulate Matter (PM) including condensable PM	562

PM-10 including condensable PM-10	377
Sulfur Dioxides (SO ₂)	3813
Oxides of Nitrogen (as NO ₂)	3700
Oxides of Nitrogen (as NO ₂) (Ozone Season until 12/31/08)	1600
Carbon Monoxide (CO)	215
Volatile Organic Compounds (VOC)	26
Hydrogen Chloride (HCl)	100
Hydrogen Fluoride (HF)	36

Included in the permit are requirements for the facility to perform annual testing for SO₂, NO_x, PM₁₀, PM_{2.5}, HCl and HF and quarterly reports for the continuous monitoring systems and semi-annual reporting of emissions and monitoring systems utilization and availability.

The current draft 5-stack permit contains annual limitations on VOC of 27 tpy and CO of 215 TPY. These emission levels are based on the constrained hours-of-operation limits imposed under the current permit to protect the National Ambient Air Quality Standard (NAAQS) for SO₂. If the final permit is issued and the stacks are merged, those hours-of-operation limits will no longer be necessary to protect the SO₂ NAAQS. Under the proposed 2 stack draft permit, Mirant will be held to lower short-term emission rates than in the five stack permit except for NO_x, which remains unchanged. The SAPCB is requesting comments on allowing small increases in the annual CO and VOC limitations that correlate to the removal of the hours-of-operation constraints in the current 5-stack permit. (Proposed CO increases are from 215 to 256 tpy and VOC from 27 to 35). Also, the Board is seeking comments on the SO₂ emission rates for both the 24-hour (0.035 and 0.030), and the 3-hour (0.039) averaging time

Both the draft State Operating Permit and the Statement of Basis may be accessed under the "What's New" section of the DEQ web page <https://www.deq.virginia.gov>

The SAPCB will accept written comments on the state operating permit for 39 days following the appearance of this notice in the newspaper. The written comment period for the State Operating Permit will end at the close of business on January 29, 2008. Only those comments received within the time period will be considered.

The SAPCB will hold a public hearing on January 25, 2008 beginning at 3:30 PM on the contents of the proposed State Operating Permit and answer questions. The public hearing will be at the Holiday Inn – Eisenhower, located 2460 Eisenhower Ave, Alexandria, VA. Please direct all inquires concerning the draft State Operating Permit recommended by the Northern Regional Office of the Department of Environmental Quality to Mr. Terry Darton at (703) 583-3845. All comments and requests for information on the draft State Operating Permit and the above issue should be sent to Mr. Terry Darton, Air Permit Manager, 13901 Crown Court, Woodbridge VA, 22193 or they may be emailed to thdarton@deq.virginia.gov on any business day between the hours of 8:30 a.m. and 5:00 PM.

Regional Director